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ABSTRACT

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MINERAL PROCESSING DEVICE

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The invention concerns the field of mineral processing by gravitational method and can be used in ore and coal mining as well as other industries.

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The machine has been proposed, having a unit for loading material to be processed, a unit for unloading the products processed, a drive, a unit for delivering working medium, elastic elements, a box with jigging sieve and tub with working medium connected between each other by rigid mobile elements and supports. The design of the machine provides stability and intensification of jigging process. Besides, there is a considerable decrease

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of energy consumption and simplicity in the design it's a pilot sample has been made, testing showed good technological results of processing and proved its high reliability and productivity.

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